



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE
MARSABIT COUNTY METEOROLOGICAL SERVICES

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OUTLOOK FOR AUGUST 2026 AND REVIEW OF JULY 2026 FOR MARSABIT COUNTY

1. HIGHLIGHTS

1.1 Outlook for August 2026

Most parts of Marsabit County are expected to remain generally dry during August 2026 as the cool and dry season continues to dominate weather conditions across region.

Light and isolated rainfall may occasionally occur over a few areas bordering Ethiopia, including parts of Moyale, Sololo, Mt. Marsabit, and the surrounding highlands. However, the majority of the county, particularly the lowland and arid zones, is expected to remain dry throughout the month.

Morning fog, mist, and occasional low cloud cover are likely to persist over Mt. Marsabit, Sololo, Moyale, and other elevated areas, especially during the early morning and late evening hours. These conditions may occasionally reduce visibility and affect transport operations in localized areas.

Mean temperatures are expected to remain near normal to slightly below average over the highland areas due to persistent cloud cover and cool southerly winds, while the lowlands will remain relatively warm during the daytime.

1.2 July 2026 Rainfall Review

July 2026 was characterized by predominantly dry weather conditions across Marsabit County, consistent with the seasonal cool and dry period.

Most parts of the county received little or no rainfall. However, isolated light rainfall events were reported over parts of Moyale, Sololo, Mt. Marsabit, and areas near the Kenya–Ethiopia border. The rainfall amounts recorded were generally low and localized, with minimal contribution to the replenishment of water resources and pasture regeneration.

Persistent morning fog, mist, and cool conditions were observed over Mt. Marsabit, Sololo, and neighboring highland areas throughout much of the month.

Maximum temperatures remained near average across most parts of the county, while minimum temperatures were slightly below average in some highland areas due to cool nighttime conditions.

2. WEATHER OUTLOOK FOR AUGUST 2026

2.1 Rainfall Forecast

The outlook for August 2026 indicates predominantly dry conditions across Marsabit County.

Light and isolated rainfall may occasionally occur in :

Moyale, Sololo, Mt. Marsabit and surrounding highlands areas along the Kenya–Ethiopia border

Most parts of North Horr, Chalbi Desert, Laisamis, Loiyangalani, Maikona, Kargi and surrounding lowland areas are expected to remain dry throughout the month.

Morning fog and mist are expected to occur frequently over Mt. Marsabit, Sololo, Moyale, and neighboring highland areas, particularly during cool and calm mornings.

2.2 Temperature Outlook

Mean temperatures are expected to remain near normal across much of the county, with cooler-than-average conditions likely in some highland areas.

Maximum temperatures : 27°C – 35°C

Minimum temperatures : 12°C – 22°C

The coolest conditions are expected over Mt. Marsabit, Sololo, and Moyale highlands during the night and early morning hours, while hotter daytime temperatures are expected across the Chalbi Desert, North Horr, Loiyangalani, Laisamis, and Maikona areas.

3. POTENTIAL IMPACTS OF AUGUST 2026 WEATHER CONDITIONS

3.1 Water Resources

The continued dry conditions are likely to result to:

- Further reduction in recharge of water sources
- Decline in water levels in pans, water reservoirs, and shallow wells
- Increased dependence on boreholes and permanent water sources
- Growing pressure on available water resources in pastoral areas
- Increased water demand for domestic and livestock use

However, Morning fog and mist over the highlands may provide limited moisture through condensation on vegetation over those areas, but this contribution will not be sufficient to offset seasonal drying.

Recommended Actions

- Promote efficient water use and conservation measures
- Monitor water availability in drought-prone areas
- Maintain and service water supply infrastructure
- Strengthen water trucking contingency plans where necessary
- Encourage protection of strategic water sources

3.2 Livestock and Pasture Conditions

The prevailing dry season conditions may lead to :

- Continued drying of pasture and browse resources
- Declining forage quantity and quality in most grazing areas
- Increased livestock movement toward areas with better pasture and water availability
- Localized grazing pressure around permanent water sources
- Increased livestock trekking distances in some pastoral zones

Recommended Actions

- Promote sustainable grazing management practices
- Monitor livestock body condition regularly
- Strengthen livestock disease surveillance and vaccination programs
- Encourage strategic pasture conservation and fodder storage
- Support conflict-sensitive management of grazing and water resources

3.3 Health

Cool mornings and nights may increase susceptibility to respiratory illnesses, especially among children, older persons, and individuals with pre-existing health conditions.

Foggy and chilly conditions in highland areas may contribute to respiratory discomfort and reduced visibility.

Dry and dusty conditions may increase the risk of:

- Respiratory infections
- Eye irritation and infections
- Allergic reactions
- Dehydration in hotter lowland areas

Recommended Actions

The County Health Department is advised to:

- Enhance community health awareness campaigns
- Monitor disease trends and outbreaks
- Ensure adequate medical supplies in health facilities
- Promote hydration and personal health practices in hot areas
- Strengthen surveillance for respiratory illnesses in cool highland regions

3.4 Disaster Management and Humanitarian Response

The likelihood of flooding during August remains very low. However, communities should remain alert to:

- Water stress in vulnerable locations
- Localized strong winds
- Dust storms in exposed dry areas
- Reduced visibility due to fog and mist over highland areas
- Increased competition for water and grazing resources in pastoral zones
- Potential localized resource-based conflicts associated with livestock migration

Recommended Actions

- Continue monitoring drought early warning indicators
- Strengthen preparedness measures for water shortages
- Disseminate regular weather forecasts and advisories
- Advise motorists to exercise caution in fog-prone areas, particularly around Mt. Marsabit, Sololo, and Moyale
- Enhance coordination among humanitarian and county response agencies
- Promote community awareness on safe water use and drought preparedness

Conclusion

August 2026 is expected to be predominantly dry across Marsabit County, with only isolated light rainfall expected over a few highland and border areas. Water resources, pasture conditions, and livestock productivity are likely to continue declining gradually as the dry season progresses,

underscoring the need for continued monitoring, preparedness, and efficient management of available resources.

NOTE

This outlook should be used together with:

24-hour weather forecasts

- 7-day weather forecasts
- Monthly climate updates
- Seasonal climate outlooks

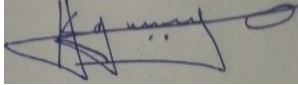
Special advisories and regular updates issued by the Kenya Meteorological Department

KEY OF SCIENTIFIC TERMS

Rainfall performance is categorized as:

- Below 75% of Long-Term Mean (LTM) – Below Normal (Depressed)
- 75% – 125% of LTM – Near Normal
- Above 125% of LTM – Above Normal (Enhanced)

Location-specific forecasts for Isiolo County are available from the County Director of Meteorological Services at the Marsabit Meteorological Office.

A handwritten signature in blue ink, appearing to read 'John Nguyo', is written over a light-colored rectangular background.

JOHN NGUYO

County Director for Meteorological Services